PATENT COOPERATION TREATY

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INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference									
The state of the s	FOR FURTHER ACTION See Form PCT/IPEA/416								
2021320PC/or									
International application No.	International filing date (day/month/year)	Priority date (day/month/year)							
PCT/FI2004/000642	29-10-2004	30-10-2003							
International Patent Classification (IPC) or									
H01L23/24, H02M5/00, G01K3/00									
·									
Applicant									
ABB OY et al									
122 01 00 41	MDD UI ET AL								
 This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36. 									
2. This REPORT consists of a total o									
This report is also accompanied by									
a. (sent to the applicant	and to the International Bureau) a total of	sheets, as follows:							
sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).									
sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes									
beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.									
b. (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s))									
form only as in disease	, containing a sequence listing	and/or tables related thereto, in electronic							
Administrative Instruc	in the Supplemental Box Relating to Sequenctions).	ce Listing (see Section 802 of the							
4. This report contains indications rel	ating to the following items:								
	the report								
Box No. II Priority									
	blichment of animian with many transmitter.								
님		shment of opinion with regard to novelty, inventive step and industrial applicability							
	unity of invention								
Box No. V Reasoned	statement under Article 35(2) with regard to	novelty, inventive step or industrial							
Box No. VI Certain d	lity; citations and explanations supporting succomments cited	n statement							
Box No. VII Certain defects in the international application									
	bservations on the international application								
	bsci vations on the international application								
Date of submission of the demand	Date of completion of	f this ranget							
	Date of completion of	r uns report							
25-07-2005	07 11 2005								
Name and mailing address of the IPEA/SE	· · · · · · · · · · · · · · · · · · ·	07-11-2005 Authorized officer							
Patent- och registreringsverket	Authorized officer								
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INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/FI2004/000642

Во	x No. I	Basis of the report						
1.	With 1	egard to the language, this report is based on:						
	\boxtimes	the international application in the language in which it was filed						
		a translation of the international application into which is the language of a translation furnished for the purposes of:						
		international search (Rules 12.3(a) and 23.1(b))						
		publication of the international application (Rule 12.4(a))						
		international preliminary examination (Rules 55.2(a) and/or 55.3(a))						
		international premininally examination (Rules 35.2(a) and/or 55.5(a))						
2.	furnisi	regard to the elements of the international application, this report is based on (replacement sheets which have be ned to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed e not annexed to this report):						
		the international application as originally filed/furnished						
		the description:						
		pages as originally filed/furnished						
		pages* received by this Authority on						
•		pages* received by this Authority on						
		the claims:						
		pages as originally filed/furnished						
		pages* as amended (together with any statement) under Article 19						
		pages* received by this Authority on						
		pages* received by this Authority on						
		the drawings:						
		pages as originally filed/furnished						
		pages* received by this Authority on						
		pages* received by this Authority on						
		a sequence listing and/or any related table(s) - see Supplemental Box Relating to Sequence Listing.						
3.		The amendments have resulted in the cancellation of:						
	II							
		the claims, Nos.						
		the drawings, sheets/figs						
		the sequence listing (specify):						
		any table(s) related to the sequence listing (specify):						
4.		This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Ru 70.2(c)).						
		the description, pages						
		the claims, Nos.						
		the drawings, sheets/figs						
		the sequence listing (specify):						
		any table(s) related to the sequence listing (specify):						
*	If item	4 applies, some or all of those sheets may be marked "superseded."						

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/FI2004/000642

Box No. V Reasoned statement citations and explana		nder Article 35(2) with regard to novelty, inventive step or industrial applicability; tions supporting such statement			
1. Statement					
Novelty	(N)	Claims Claims	1-10	YES NO	
Inventive step (IS)		Claims Claims	1-10	YES NO	
Industria	l applicability (IA)	Claims Claims	1-10	YES NO	

2. Citations and explanations (Rule 70.7)

Documents cited in the International Search Report:

D1: JP 11255442 A
D2: EP 0792008 A2
D3: JP 2001186775 A
D4: US 5712802 A

The cited documents represent the general state of the art.

The invention defined in claims 1-10 is not disclosed by any of these documents.

The cited prior art does not give any indication that would lead a person skilled in the art to the claimed inverter arrangement. Therefore, the claimed invention is not obvious to a person skilled in the art.

Accordingly, the invention defined in claims 1-10 is novel and is considered to involve an inventive step. The invention is industrially applicable.